

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08K7/06 D01F9/127 H01B1/24

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08K D01F H01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 578 245 A (MITSUBISHI PETROCHEMICAL CO) 12 January 1994 (1994-01-12) claims	1-18
X	US 4 999 244 A (MORIMOTO SHINGO) 12 March 1991 (1991-03-12) column 2, lines 46-68; claims 1-3	1-18
X	US 5 458 967 A (KANNO TOSHIAKI ET AL) 17 October 1995 (1995-10-17) claims 1,7; example 1	1-18
X	EP 0 337 487 A (SHOWA DENKO KK) 18 October 1989 (1989-10-18) examples	1-18
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

10 August 2004

Date of mailing of the international search report

17/08/2004

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/005895

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	WO 03/040445 A (MORITA TOSHIO ; SHOWA DENKO KK (JP); YAMAMOTO RYUJI (JP)) 15 May 2003 (2003-05-15) claims -----	1-18
X	EP 1 191 131 A (SHOWA DENKO KK) 27 March 2002 (2002-03-27) claims -----	1-18
X	PATTON R D ET AL: "Vapor grown carbon fiber composites with epoxy and poly(phenylene sulfide) matrices" COMPOSITES PART A: APPLIED SCIENCE AND MANUFACTURING, ELSEVIER SCIENCE PUBLISHERS B.V., AMSTERDAM, NL, vol. 30, no. 9, September 1999 (1999-09), pages 1081-1091, XP004171653 ISSN: 1359-835X the whole document -----	1-18
X	WO 02/49412 A (INOUE HITOSHI ; MORITA TOSHIO (JP); SHOWA DENKO KK (JP); YAMAMOTO RYUJI) 27 June 2002 (2002-06-27) claims -----	1-18
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 09, 31 October 1995 (1995-10-31) & JP 7 150419 A (SHOWA DENKO KK), 13 June 1995 (1995-06-13) abstract -----	1-3

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP2004/005895

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
EP 0578245	A	12-01-1994	EP US	0578245 A2 5373046 A		12-01-1994 13-12-1994
US 4999244	A	12-03-1991	JP	1118611 A		11-05-1989
US 5458967	A	17-10-1995	JP JP DE	2647589 B2 5206680 A 4300562 A1		27-08-1997 13-08-1993 12-08-1993
EP 0337487	A	18-10-1989	JP JP EP US	1263156 A 2603511 B2 0337487 A1 5213736 A		19-10-1989 23-04-1997 18-10-1989 25-05-1993
WO 03040445	A	15-05-2003	WO JP	03040445 A1 2003227039 A		15-05-2003 15-08-2003
EP 1191131	A	27-03-2002	AU EP JP US CN WO JP TW US	3328200 A 1191131 A1 3461805 B2 6489026 B1 1343269 T 0058536 A1 2004003097 A 524904 B 2003049443 A1		16-10-2000 27-03-2002 27-10-2003 03-12-2002 03-04-2002 05-10-2000 08-01-2004 21-03-2003 13-03-2003
WO 0249412	A	27-06-2002	AU CA CN EP WO JP US WO	1950702 A 2431727 A1 1481454 T 1343410 A1 0249412 A1 2002266170 A 2004036060 A1 02065200 A2		01-07-2002 27-06-2002 10-03-2004 17-09-2003 27-06-2002 18-09-2002 26-02-2004 22-08-2002
JP 7150419	A	13-06-1995	JP	2778434 B2		23-07-1998